Translation of capped-5'+3' UTR-Luciferase RNA in the presence of competitor RNAs

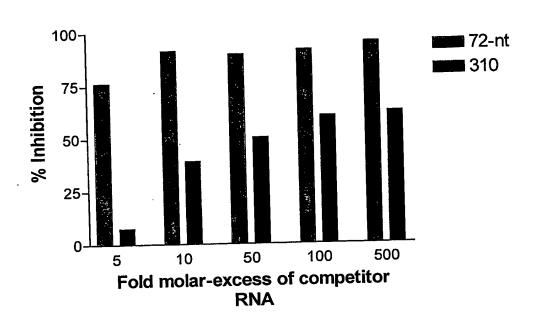


FIG 1

Luc	Lucifera	ise
5'UTR Luc		
3'UTR Luc		
5'+3'UTR Luc		
5' Her2 UTR	Luciferase	3' Her2 UTR
	FIG 2	

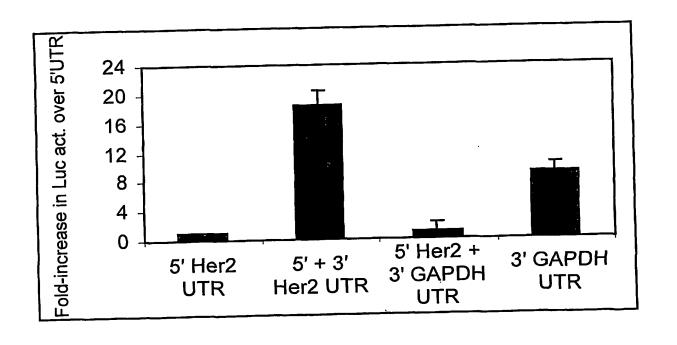


FIG 3

5'Her2 UTR Luc		Luc	ciferase			
5' Her2 UTR + 3' GAPDH UTR Luc						=
3' GAPDH UTR Luc						7
5' Her2 U	TR	Lucife	rase	3' (	SAPDH UTR	
		FIC	<b>G</b> 4		•	
			-			
	<u> </u>		Lucifo	ross		
Luc w/5'UTR			Lucife	rase		
5'UTR + Luc w/3'UTR						
Luc w/3'UTR		t.,				
5'UTR w/3'UTR + Luc +3'UTR					White the State of	
5' Her2 UTR	Luciferas	se 🔙 3' l	Her2 UTR	3' H	ler2 UTR variant	

FIG 5

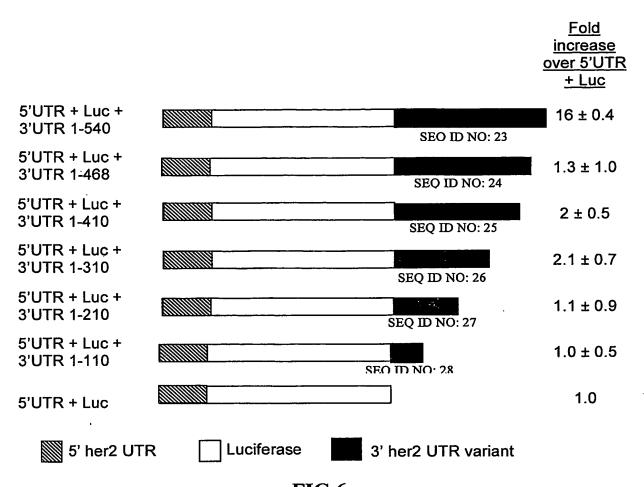
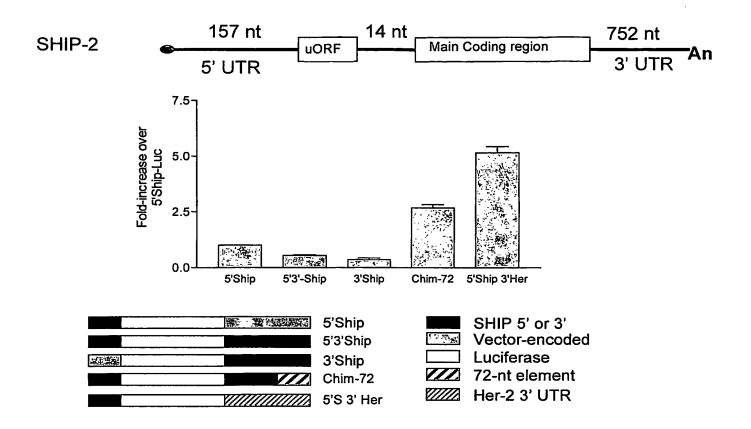
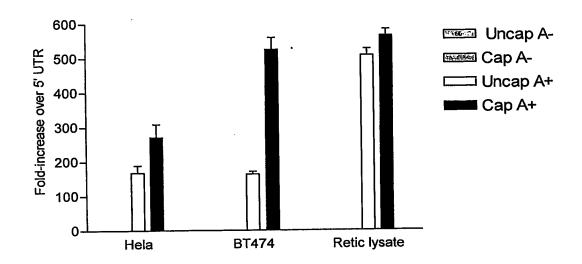


FIG 6



**FIG 7** 

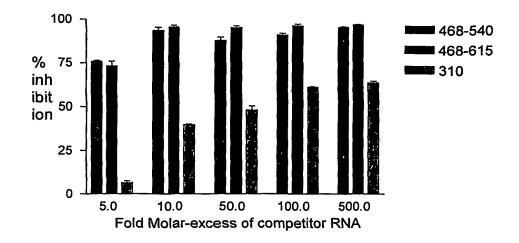


	Hela		BT474		Retic Lysate	
	Average	ISD	Average	SD	Average	SD
Uncapped A (-)	0.21	0.04	0.48	0.17	0.125	
Capped A (-)	0.18	0.09	0.37	0.16	0.04	
Uncapped A (+)	167.8	35.9	. 163.6	14.5	507.1	34.2
Capped A (+)	270.9	65.7	523.9	60.1	563.50	33.76

FIG 8

A.

Translation of Cap-5H3H-LUC in the presence of competitor RNAs



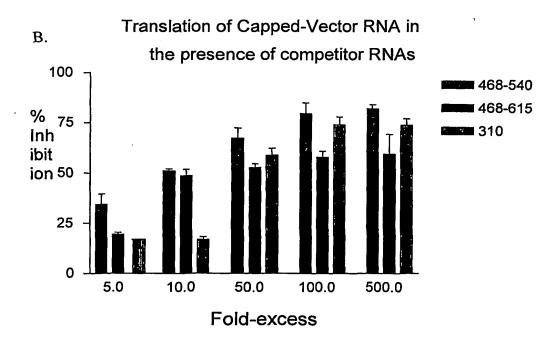


FIG 9

SKBR3 Cyt Ext

SKBR3

Calu3

AU565

AU565

AU665

HeLa

HepG2

Retic
Lysate

C.

**FIG 10**